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at Boston has been cut down from seventy-seven to five, none of which are from stations west of New England. All the display-stations of the New-England coast have been closed, with the exception of one kept open by the Boston board of trade. The weather synopses have been discontinued, printing and telegraphing reduced, and salaries cut down. All the West-India stations have been closed; and thus, with the cyclone season upon us, we are without warnings which the country is abundantly able to provide. The report of the committee was accepted, and its members were requested to serve for another year.

Mr. J. C. Hoadley then gave an address on driven wells, explaining their action, comparing it with that of dug wells, and giving the results of his experimental investigations of the subject.

A vote of thanks was extended to the retiring secretary, Prof. S. W. Holman, and to Mr. Hoadley.

—At the meeting of the Philosophical society of Washington, May 19, Dr. Robert Fletcher presented a review of Recent experiments on venom poison, discussing especially the supposed antidote discovered in Brazil, and the separation of rattlesnake poison by Dr. Mitchell into three parts, two of which have definite and distinct toxic properties.

Mr. Farquhar, whose experiments in binary arithmetic have already been noticed in SCIENCE, gave an account of some additional experiments, confirming the conclusion that a binary notation may successfully compete with a denary for rapidity of arithmetic work, and showing that the ratio between the horizontal and vertical dimensions of the binary character has a material influence on facility of computation.

—A large company assembled in the rooms of the Cincinnati society of natural history on Wednesday evening, May 23, to celebrate the 176th anniversary of the birthday of Carl von Linné. The lecture-room was beautifully decorated with ferns and natural flowers, and mounted specimens of plants adorned the walls. The name of Linné in evergreens was placed above a beautiful miniature portrait of the great botanist, the frame of which was wreathed in smilax, while below was an autograph letter lent by a local collector. Three papers were read, on the life, the botanical and the zoölogical labors of Linné, by Mr. Davis L. James, Prof. A. P. Morgan, and Prof. Joseph F. James. After the reading, the audience was invited to the council-room, where an interesting microscopical *soirée* was held.

#### RECENT BOOKS AND PAMPHLETS.

**Bate, J.** Influence of the mind on mind. London, *Woolmer*, 1883. 696 p. 8°.

**Bernhardi, Fritz.** Das norddeutsche diluvium eine gletscherbildung, ein versuch, die richtigkeit der Forel'schen theorie aus der beschaffenheit und gestaltung unseres heimischen bodens zu erweisen. Züllichau, *Augustin*, 1883. 3+48 p. 8°.

**Brown, T. T.** Photometry and gas analyses. London, 1883. 8°.

**Brown, Walter Lee.** Manual of assaying gold, silver, copper, and lead ores. Chicago, *Jansen, McClurg, & Co.*, 1883. 318 p., illustr. 12°.

**Burgess, J.** Archeological survey of western India. iv., v.: Report on the Buddhist and Elura cave-temples. London, *Trübner*, 1883. f°.

**Colquhoun, A. R.** Across Chrysé: being a narrative of a journey of exploration through the South China borderlands, from Canton to Mandalay. London, *Low*, 1883. 2 vols., maps, 300 illustr. 8°.

**Cramer, C.** Ueber das bewegungsvermögen der pflanzen. Basel, *Schwabe*, 1883. 8°.

**Fenton, H. J. H.** Notes on qualitative analysis, concise and explanatory. London, *Cambridge Warehouse*, 1883. 128 p. 4°.

**Fergusson, James.** The Parthenon: an essay on the mode by which light was introduced into Greek and Roman temples. London, *Murray*, 1883. 8+135 p., 5 pl., illustr. 4°.

**Galton, Francis.** Inquiries into human faculty and its development. N.Y., *Macmillan*, 1883. 12+380 p., 6 pl. 8°.

**Griffin, La Roy F.** Lecture notes in chemistry: a syllabus of chemistry, compiled principally from the manuals of Miller and of Roscoe and Schoeffermer. Philadelphia, *Sower, Potts, & Co.*, [1883]. 6+99 p. 12°.

**Houghton farm.** Series III. Experiment department. No. 1-2. N.Y., *Dodge pr.*, 1883. 45 p., 4 pl. 8°.

**Iowa state academy of sciences.** Constitution and by-laws [including summary of transactions]. Des Moines, *Brewster pr.*, 1882. 24 p. 12°.

**Joly, N.** Man before metals. N.Y., *Appleton*, 1883. 8+365 p. 12°.

**Kayser, H.** Lehrbuch der spectral-analyse. Berlin, *Springer*, 1883. 11+358 p., illustr. 8°.

**Keller, C.** Das thierleben in grossen meerestiefen. Basel, *Schwabe*, 1883. 8°.

**Kraepelin, Karl.** Ueber die geruchsorgane der gliederthiere. Eine historisch-krit. studie. Hamburg, *Nolte*, 1883. 48 p., 3 pl. 4°.

**Macloskie, G.** Elementary botany, with student's guide to the examination and description of plants. N.Y., *Holt*, 1883. 8+373 p., illustr. 12°.

**Müller, F. Max.** India: what can it teach us? A course of lectures delivered before the University of Cambridge. London, *Longmans*, 1883. 11+402 p. 8°.

**National academy of sciences.** Constitution and membership, April 21, 1883. Washington, *Academy*, 1883. 24 p. 8°.

**Ontario—Entomological society.** Report for the year 1882. Toronto, *Robinson pr.*, 1883. 83 p. 8°.

**Page, T.** Physical geography of mountains and rivers; together with a general explanation of geographical terms. London, *Moffatt*, 1883. 80 p. 12°.

**Palestine exploration fund.** The survey of western Palestine. Memoirs of the topography, orography, hydrography, and archeology. Vol. 3. Sheets 17-26. London, *Fund*, 1883. 7+450 p. 4°.

**Palmer, A. S.** Folk-etymology: a dictionary of verbal corruptions or words perverted in form or meaning by false derivation or mistaken analogy. N.Y., *Holt*, 1883. 22+664 p. 8°.

**Perrot, G., and Chipiez, C.** A history of art in ancient Egypt. Translated and edited by Walter Armstrong. 2 vols. London, *Chapman & Hall*, 1883. 64+444, 16+426 p., illustr. 1. 8°.

**Pocket** logarithms to four places of decimals, including logarithms of numbers and logarithmic sines and tangents to single minutes; to which is added a table of natural sines, tangents, and co-tangents. N.Y., *Van Nostrand*, 1883. 139 p. 16°.

**Pressensé, E. de.** A study of origins; or, the problems of knowledge, of being, and of duty. Translated by Annie H. Holmden. London, *Hodder & Stoughton*, 1883. 36+515 p. 16°.

**Saunders, William.** Insects injurious to fruits. Illustrated with 440 cuts. Philadelphia, *Lippincott*, 1883. 436 p. 8°.

**Schleiden, M. J.** The sciences among the Jews before and during the middle ages. From the 4th German ed. Baltimore, *Binswanger & Co.*, 1883. 64 p.

**Stearns, Winfrid A.** New England bird-life: being a manual of New England ornithology. Revised and edited from the manuscript of Winfrid A. Stearns, by Elliott Coues. Part 2: Non-oscine Passeres, birds of prey, game and water birds. Boston, *Lee & Shepard*, 1883. 409 p. 12°.

**Wagner, M.** Untersuchungen über die resorption der calcium-salze und über die abstammung der freien salzsäure im magensaft, nebst einigen erörterungen über die pathogenese der rachitis. Zurich, *Füssli*, 1883. 8°.